

PATENT COOPERATION TREATY

10 JUN 2005

MONDAY 5 APR 2004

From the INTERNATIONAL SEARCHING AUTHORITY

To
Davies Collison Cave
Level 15
1 Nicholson Street
MELBOURNE VIC 3000

PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

EJH

Resp due 5/6/04

Date of mailing
(day/month/year) - 5 APR 2004

Applicant's or agent's file reference
12383600/EJH/ar

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/AU2003/001664

International filing date
12 December 2003

Applicant

THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH et al

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.
Filing of amendments and statement under Article 19:
 The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.
2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4. **Reminders**
 Shortly after 18 months from the priority date, the international application will be published by the International Bureau.
 If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.
 Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.
 In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.
 See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 12383600	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">FOR FURTHER ACTION</div> <div>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</div> </div>
International application No. PCT/AU2003/001664	<div style="display: flex; justify-content: space-between;"> <div>International filing date (<i>day/month/year</i>) 12 December 2003</div> <div>(Earliest) Priority Date (<i>day/month/year</i>) 13 December 2002</div> </div>
Applicant THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH et al	

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1.	Basis of the report	
	a.	<p>With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p>
	b.	<p>With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:</p> <p><input checked="" type="checkbox"/> contained in the international application in written form.</p> <p><input type="checkbox"/> filed together with the international application in computer readable form.</p> <p><input type="checkbox"/> furnished subsequently to this Authority in written form.</p> <p><input type="checkbox"/> furnished subsequently to this Authority in computer readable form.</p> <p><input type="checkbox"/> the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.</p> <p><input type="checkbox"/> the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.</p>
2.	<input type="checkbox"/>	Certain claims were found unsearchable (See Box I).
3.	<input type="checkbox"/>	Unity of invention is lacking (See Box II).
4.	With regard to the title,	<p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established by this Authority to read as follows:</p>
5.	With regard to the abstract,	<p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant</p> <p><input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.</p>
6.	<p>The figure of the drawings to be published with the abstract is Figure No.</p> <div style="display: flex; justify-content: space-between;"> <div> <p><input type="checkbox"/> as suggested by the applicant.</p> <p><input type="checkbox"/> because the applicant failed to suggest a figure</p> <p><input type="checkbox"/> because this figure better characterizes the invention</p> </div> <div style="text-align: right;"> <p><input checked="" type="checkbox"/> None of the figures</p> </div> </div>	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2003/001664

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C07K 14/47, A61K 38/17, A61P 35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Database: ANGIS: Sequence ID No.s 5 and 6. STN: Files Dgene: Sequence ID No.s 5 and 6; Files Medline, CA, WPIDS, Biosis: keywords: stard10, fors, start domain containing protein 10, forkhead related serine.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Lai, C.H. et al, "Identification of Novel Human Genes Evolutionarily Conserved in <i>Caenorhabditis elegans</i> by Comparative Proteomics" Genome Res. 10(5), 703-713 (2000) Seq ID Nos. 5 and 6: both 100% identity (NCBI Protein accession no. AAD34047)	1-32
X	Collins FS, "Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences" Proceedure of the National Academy of Sciences, December 24, 2002 (published online before print, December 11, 2002), Vol 99, No. 26, 16899-16903 Seq ID Nos. 5 and 6: both 100% identity (NCBI Protein accession no. AAH14033) Seq ID Nos. 5 and 6: both 97% identity (NCBI Protein accession no. AAH58773) Seq ID Nos. 5 and 6: both 63% identity (NCBI Protein accession no. AAH46038)	1-32

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
30 March 2004

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2003/001664

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Yamanaka, M. et al "Molecular cloning and characterization of phosphatidylcholine transfer protein-like protein gene expressed in murine haploid germ cells" Biol. Reprod. 62(6), 1694-1701 (2000) Seq ID Nos. 5 and 6: both 97% identity ((NCBI Protein accession no. PCTL_MOUSE)	1-32
P,X	WO 2003/004989 A2 (MILLENIUM PHARMACEUTICALS) EPD 21 June 2001, Published 16 January 2003. Seq ID No 5: 90% identity (See claim 1; seq ID 49) Seq ID No 6: 89% identity (See claim 1; seq ID 49)	1-32
X	WO 2001/055364 A2 (HUMAN GENOME SCIENCES), Published 2 August 2001. Seq ID No 5: 90% identity (See claim 11; seq ID 457) Seq ID No 6: 89% identity (See claim 11; seq ID 457)	1-32

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2003/001664

This annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Member
WO 03004989	US 2003124128
WO 01055364	
END OF ANNEX	